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Term: L23 and gene therapy

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Search History

DATE: Friday, April 25, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L24	L23 and gene therapy	158	L24
L23	L22 with l18	1054	L23
L22	antimicrobial	51289	L22
L21	L20 same l5	58	L21
L20	L19 with l1	231	L20
L19	L18 with l4	1457	L19
L18	dna or plasmid or polynucleotide or nucleic	191220	L18
L17	L16 and l2	24	L17
L16	l15 same l1	64	L16
L15	l5 with l4	446	L15
L14	L11 with l4	5	L14
L13	L12 and l2	20	L13
L12	l1 with l5 with l4	47	L12
L11	l3 with l5	5	L11
L10	L9	5	L10
L9	l3 with l4	5	L9
L8	l6 and l3	6	L8
L7	L6 same l3	5	L7
L6	L5 with l4	446	L6
L5	ligand	93692	L5
L4	polylysine	6740	L4
L3	L2 with l1	210	L3
L2	catheter	71799	L2
DB=USPT; PLUR=YES; OP=ADJ			
L1	liposome or lipid	50509	L1

END OF SEARCH HISTORY

L21: Entry 35 of 58 File: USPT Sep 14, 1999

DOCUMENT-IDENTIFIER: US 5952232 A
TITLE: Expandible microparticle intracellular delivery system

Brief Summary Text (8):
In order to avoid the disadvantages associated with viral vectors and conventional transfection methods, a number of alternative means and compositions for introducing nucleic acid into a cell have been devised. Such alternatives include lyophilized formulations of polynucleotide-lipid complexes (see, for example, International Patent Application Nos. PCT96US7867 and PCT 96US7866); polynucleotides linked to a dendrimer polycation (to improve transfection efficiency; U.S. Pat. No. 5,661,025); polynuclcotide compositions comprising a membrane-permeabilizing agent to transport the polynucleotide across the target cell membrane (International Patent Application No. PCT 93US3406); the use of polylysine as a DNA condensing agent (Wadhwa et al., 1995, Bioconjugate Chemistry 6:283-291), optionally linked to a carrier protein such as transferrin; and DNA trapped in liposomes (Ledley et al., 1987, J. Pediatrics 110:1) or in proteoliposomes (Nicolau et al., 1983, Proc. Natl. Acad. Sci. U.S.A. 80:1068). Receptor-mediated gene transfer techniques have been developed which rely on specific receptor/ligand interactions (Wu et al., 1988, J. Biol. Chem. 263:14621-14624; Christiano et al., 1993, Proc. Natl. Acad. Sci. U.S.A. 90:2122-2126; Huckett et al., 1990, Biochem. Pharmacol. 40:253-263; Perales et al., 1994, Eur. J. Biochem. 226:255-266). U.S. Pat. No. 5,589,466 by Felgner provides for the introduction of DNA into interstitial spaces, where it becomes available for cellular uptake. Truong-Le et al., 1998, Human Gene Therapy 9:1709-1717 report controlled gene delivery by DNA-gelatin microspheres having a size range of 200-700 nm, wherein transfection of cells was enhanced by incorporating chloroquine, which interferes with endosome acidification, into the microspheres.